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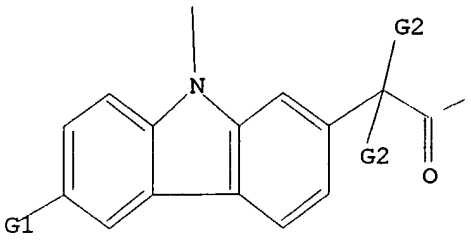
L1 HAS NO ANSWERS
L1 STR



G1 NO2,X,Ak

G2 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 15:55:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2573 TO ITERATE

100.0% PROCESSED 2573 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.03

L2 7 SEA SSS FUL L1

=> file caplus, uspatfull

FILE 'CAPLUS' ENTERED AT 15:55:35 ON 17 APR 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE 'USPATFULL' ENTERED AT 15:55:35 ON 17 APR 2001

=> s l2

L3 3 L2

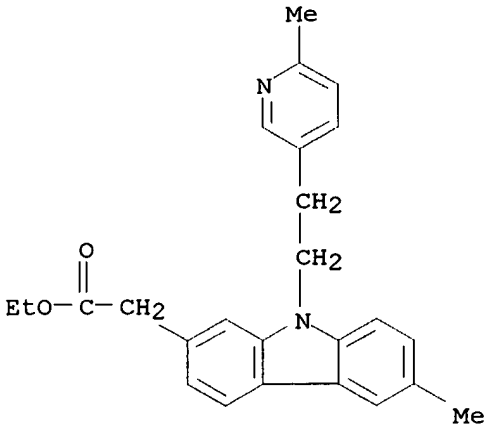
=> dup rem l3

PROCESSING COMPLETED FOR L3
L4 3 DUP REM L3 (0 DUPLICATES REMOVED)

=> d l4 abs ibib hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2001 ACS
AB Luminescence studies were performed on thin-layer chromatog. plates at 77.degree.K and also with a Farrand Mark I Spectrofluorometer which was modified to accommodate a com. available phosphoroscope. The app. was used to obtain fluorescence and phosphorescence spectra at 77.degree.K of selected tetrahydrocarbazoles, and carbazoles, 1,4-benzodiazepines. Some of the results were verified on other com. available phosphorimeters, and the modified instrument was equal to or better in spectral quality, sensitivity, and precision. The simple modification employed greatly extends the utility of this instrument for cryogenic luminescence research.

ACCESSION NUMBER: 1976:95677 CAPLUS
DOCUMENT NUMBER: 84:95677
TITLE: Luminescence determination of pharmaceuticals of the tetrahydrocarbazole, carbazole, and 1,4-benzodiazepine class
AUTHOR(S): De Silva, J. Arthur F.; Strojny, Norman; Stika, Katherine
CORPORATE SOURCE: Dep. Biochem. Drug Metab., Hoffmann-La Roche Inc., Nutley, N. J., USA
SOURCE: Anal. Chem. (1976), 48(1), 144-55
CODEN: ANCHAM
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **58479-50-8**
RL: PRP (Properties)
(luminescence of, low temp.)
RN 58479-50-8 CAPLUS
CN 9H-Carbazole-2-acetic acid, 6-methyl-9-[2-(6-methyl-3-pyridinyl)ethyl]-, ethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 3 USPATFULL

AB Carbazoles prepared, inter alia, from the corresponding phenyl hydrazines and corresponding cyclohexanones are described. The carbazoles of the invention are useful anti-inflammatory, analgesic and anti-rheumatic agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	75:37878 USPATFULL
TITLE:	Carbazoles
INVENTOR(S):	Berger, Leo, Montclair, NJ, United States Corraz, Alfred John, Wayne, NJ, United States
PATENT ASSIGNEE(S):	Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)

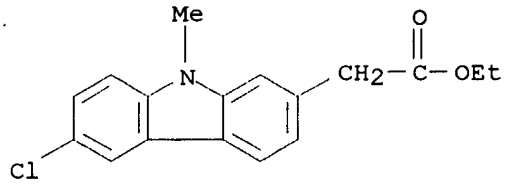
	NUMBER	DATE
PATENT INFORMATION:	US 3896145	19750722
APPLICATION INFO.:	US 1973-361103	19730517 (5)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1972-274142, filed on 24 Jul 1972, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ford, John M.	
ASSISTANT EXAMINER:	Winters, S. D.	
LEGAL REPRESENTATIVE:	Welt, Samuel L.; Leon, Bernard S.; Isgro, William G.	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1694	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

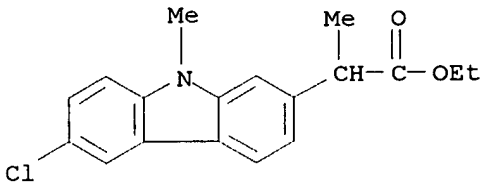
IT **52263-76-0 52263-77-1 52263-81-7 52263-82-8**
(hydrolysis of)

RN 52263-76-0 USPATFULL

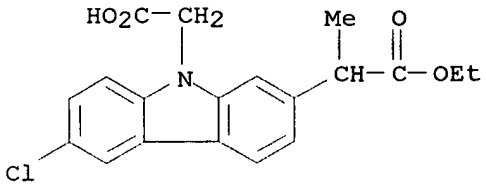
CN 9H-Carbazole-2-acetic acid, 6-chloro-9-methyl-, ethyl ester (9CI) (CA INDEX NAME)



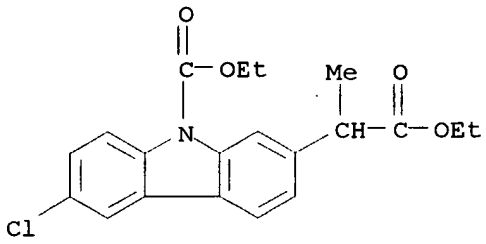
RN 52263-77-1 USPATFULL
CN 9H-Carbazole-2-acetic acid, 6-chloro-.alpha.,9-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



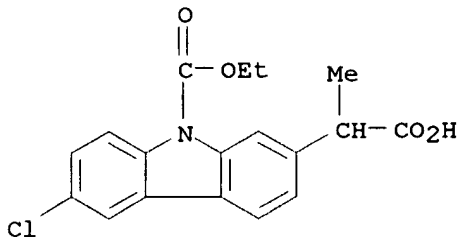
RN 52263-81-7 USPATFULL
CN 9H-Carbazole-2,9-diacetic acid, 6-chloro-.alpha.2-methyl-, 2-ethyl ester (9CI) (CA INDEX NAME)



RN 52263-82-8 USPATFULL
CN 9H-Carbazole-2-acetic acid, 6-chloro-9-(ethoxycarbonyl)-.alpha.-methyl-, ethyl ester (9CI) (CA INDEX NAME)

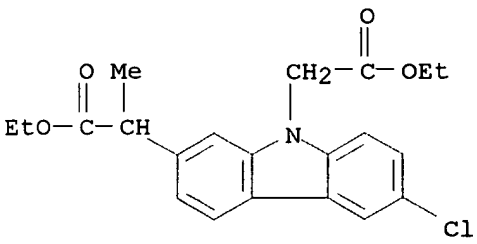


IT **52263-71-5P 52263-89-5P**
(prepn. of)
RN 52263-71-5 USPATFULL
CN 9H-Carbazole-2-acetic acid, 6-chloro-9-(ethoxycarbonyl)-.alpha.-methyl- (9CI) (CA INDEX NAME)



RN 52263-89-5 USPATFULL
CN 9H-Carbazole-2,9-diacetic acid, 6-chloro-.alpha.2-methyl-, diethyl ester

(9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2001 ACS
GI For diagram(s), see printed CA Issue.
AB Carbazoles, such as I (R = CO2H, CH2OH)(60 compds.) were prepd. Thus, 2-cyclohexen-1-one was treated with MeCH(CO2Et)2 to give di-Et .alpha.-methyl-3-oxocyclohexanemalonate, which was hydrolyzed and decarboxylated to .alpha.-methyl-3-oxocyclohexaneacetic acid. Cyclization with p-ClC6H4NHNH2 gave the tetrahydrocarbazole II, which was esterified and dehydrogenated to I (R = CO2Et). Alk. hydrolysis gave the acid I (R = CO2H), which was reduced with LiAlH4 to I (R = CH2OH). I (R = CO2H) had antiinflammatory ED30 orally in mice of 0.17 mg/kg and an antipyretic ED50 of 15 mg/kg orally in mice.

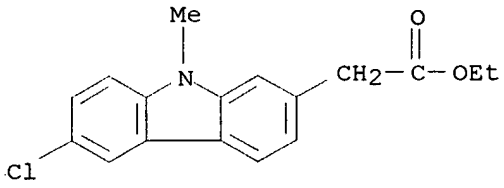
ACCESSION NUMBER: 1974:108366 CAPLUS
DOCUMENT NUMBER: 80:108366
TITLE: Carbazoles
INVENTOR(S): Berger, Leo; Corraz, Alfred J.
PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co., A.-G.
SOURCE: Ger. Offen., 76 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2337340	A1	19740214	DE 1973-2337340	19730723
DE 2337340	C2	19850502		
US 3896145	A	19750722	US 1973-361103	19730517
ZA 7304047	A	19740327	ZA 1973-4047	19730614
CH 587819	A	19770513	CH 1973-8716	19730615
BE 802596	A1	19740121	BE 1973-133691	19730720
HU 167611	P	19751128	HU 1973-HO1597	19730720
JP 49043973	A2	19740425	JP 1973-81008	19730723
JP 57040144	B4	19820825		
DD 107681	C	19740812	DD 1973-172456	19730723
AT 7306497	A	19750115	AT 1973-6497	19730723
AT 325607	B	19751027		
AU 7358390	A1	19750123	AU 1973-58390	19730723
GB 1385620	A	19750226	GB 1973-34968	19730723
ES 417167	A1	19760501	ES 1973-417167	19730723
SE 402283	C	19781005	SE 1973-10244	19730723
DK 138537	C	19790305	DK 1973-4059	19730723
DK 138537	B	19780925		
NO 142865	B	19800728	NO 1973-2975	19730723
NO 142865	C	19801105		
FI 59244	B	19810331	FI 1973-2311	19730723

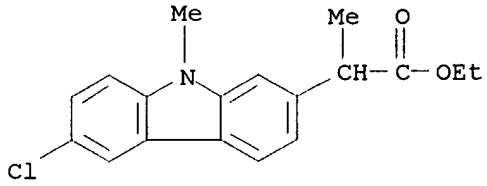
FI 59244	C	19810710			
NL 7310275	A	19740128	NL 1973-10275	19730724	
NL 169877	B	19820401			
NL 169877	C	19820901			
FR 2193611	A1	19740222	FR 1973-27020	19730724	
SU 509220	D	19760330	SU 1973-1950151	19730724	
ES 442684	A1	19770516	ES 1975-442684	19751117	
ES 442685	A1	19770516	ES 1975-442685	19751117	
SE 7605813	A	19760522	SE 1976-5813	19760521	
PRIORITY APPLN. INFO.:			US 1972-274142	19720724	
			US 1973-361103	19730517	

IT **52263-76-0 52263-77-1 52263-81-7**
52263-82-8
RL: RCT (Reactant)
(hydrolysis of)

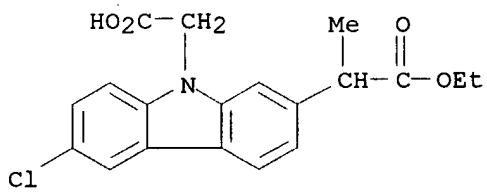
RN 52263-76-0 CAPLUS
CN 9H-Carbazole-2-acetic acid, 6-chloro-9-methyl-, ethyl ester (9CI) (CA INDEX NAME)



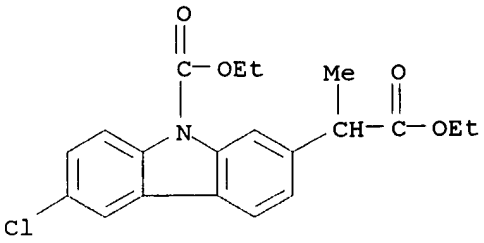
RN 52263-77-1 CAPLUS
CN 9H-Carbazole-2-acetic acid, 6-chloro-.alpha.,9-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



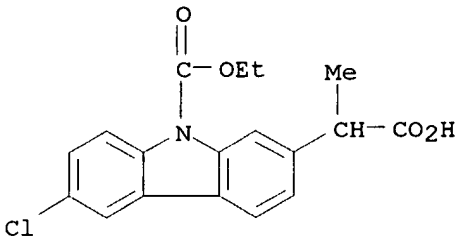
RN 52263-81-7 CAPLUS
CN 9H-Carbazole-2,9-diacetic acid, 6-chloro-.alpha.2-methyl-, 2-ethyl ester (9CI) (CA INDEX NAME)



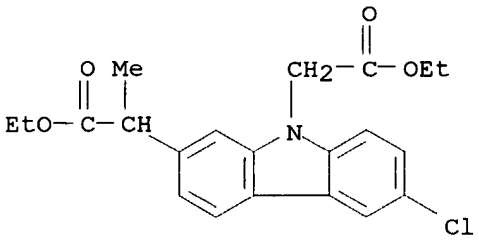
RN 52263-82-8 CAPLUS
CN 9H-Carbazole-2-acetic acid, 6-chloro-9-(ethoxycarbonyl)-.alpha.-methyl-, ethyl ester (9CI) (CA INDEX NAME)



IT **52263-71-5P 52263-89-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 52263-71-5 CAPLUS
CN 9H-Carbazole-2-acetic acid, 6-chloro-9-(ethoxycarbonyl)-.alpha.-methyl- (9CI) (CA INDEX NAME)



RN 52263-89-5 CAPLUS
CN 9H-Carbazole-2,9-diacetic acid, 6-chloro-.alpha.2-methyl-, diethyl ester (9CI) (CA INDEX NAME)



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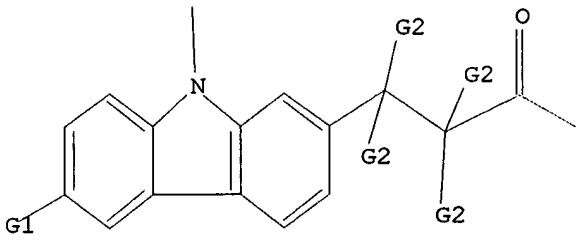
L5 HAS NO ANSWERS
L5 STR



G1 NO2,X,Ak

G2 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l5 sss full

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100.0% PROCESSED 587 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

L6 0 SEA SSS FUL L5

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2	BRS	L2	54	1 and (canis or canine or dog$2) and (antiinflammat$ or anti adj inflammat$ or pain or analges$)	USPAT	2001/04/17 16:24			0
3	BRS	L3	1164	cyclooxygenase near3 inhibitor$	USPAT	2001/04/17 16:23			0
4	BRS	L4	258	cyclooxygenase near3 inhibitor$ same NSAID$	USPAT	2001/04/17 16:23			0
5	BRS	L5	53	4 and (canis or canine or dog$2) and (antiinflammat$ or anti adj inflammat$ or pain or analges$)	USPAT	2001/04/17 16:24			0